

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071016.D
 Acq On : 12 Nov 2021 06:35
 Operator : VA/SY
 Sample : M4576-01
 Misc : 4.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:18:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

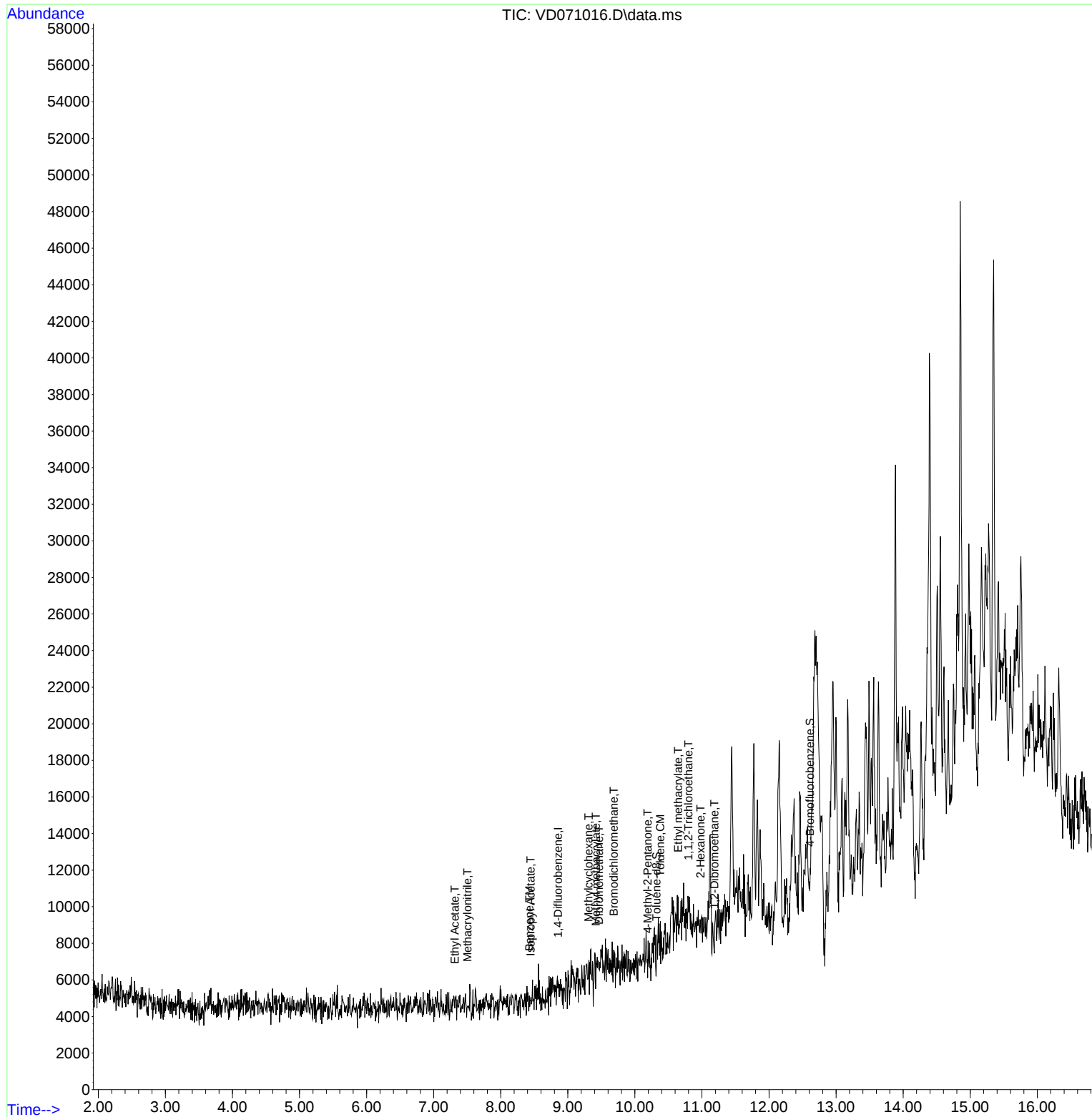
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.98
34) 1,4-Difluorobenzene	8.856	114	58	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.64
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.56
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.320	98	55	42.911	ug/l	-0.02
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.820%
62) 4-Bromofluorobenzene	12.608	95	395	855.913	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	1711.820%#
Target Compounds						
					Qvalue	
37) Ethyl Acetate	7.314	43	208	880.377	ug/l #	61
39) Methylcyclohexane	9.308	83	69	103.168	ug/l #	16
40) Benzene	8.426	78	58	39.770	ug/l #	1
41) Methacrylonitrile	7.503	41	57	403.984	ug/l #	1
43) Isopropyl Acetate	8.444	43	61	121.997	ug/l #	47
46) Dibromomethane	9.467	93	64	340.916	ug/l #	1
47) Bromodichloromethane	9.685	83	124	249.724	ug/l #	26
48) Methyl methacrylate	9.420	41	201	819.441	ug/l #	1
51) 4-Methyl-2-Pentanone	10.191	43	77	317.638	ug/l #	34
52) Toluene	10.379	92	68	73.969	ug/l #	36
55) 1,1,2-Trichloroethane	10.797	97	389	1507.659	ug/l #	16
56) Ethyl methacrylate	10.644	69	247	676.593	ug/l #	1
59) 2-Hexanone	10.979	43	281	1403.793	ug/l #	22
61) 1,2-Dibromoethane	11.185	107	306	1219.220	ug/l	90

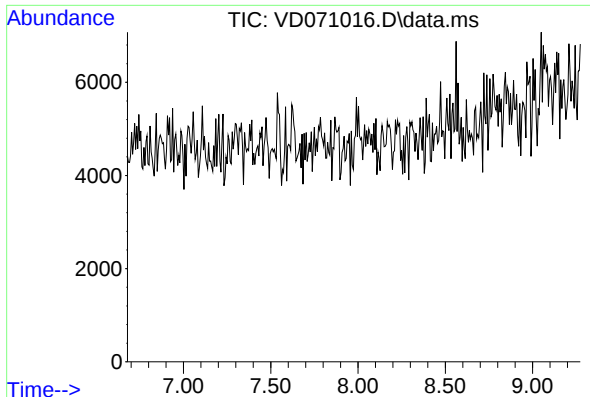
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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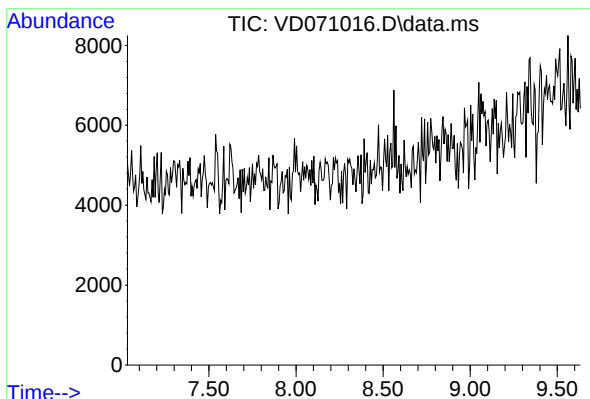
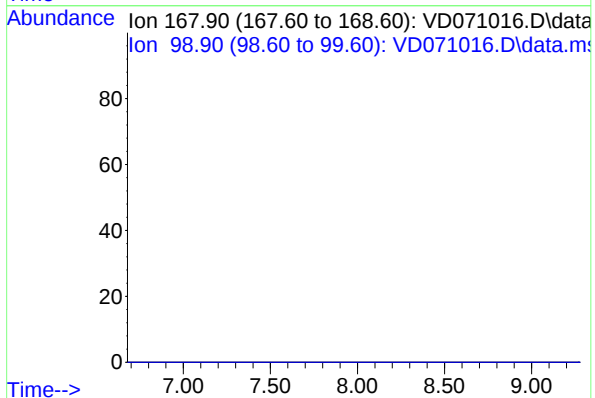


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.98 min

Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :

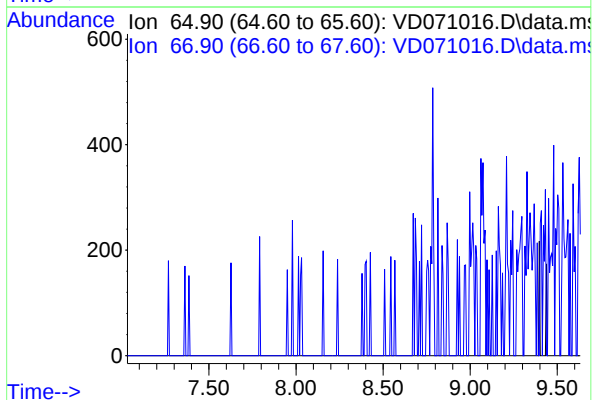
Tgt Ion: 168
Sig Exp Ratio
168 100
99 58.2

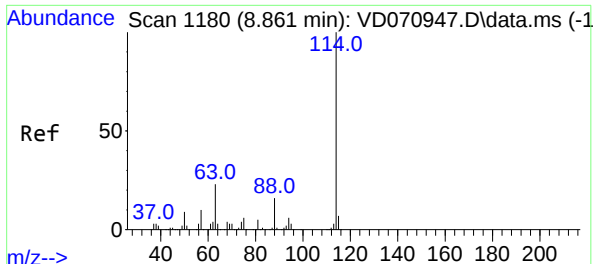


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.33 min

Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

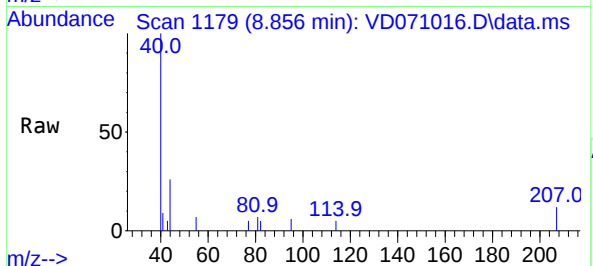
Tgt Ion: 65
Sig Exp Ratio
65 100
67 56.1



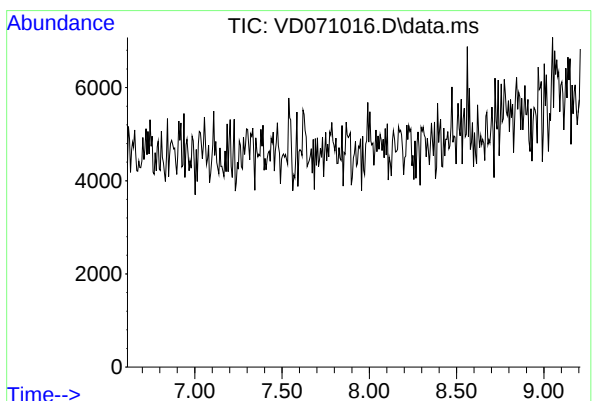
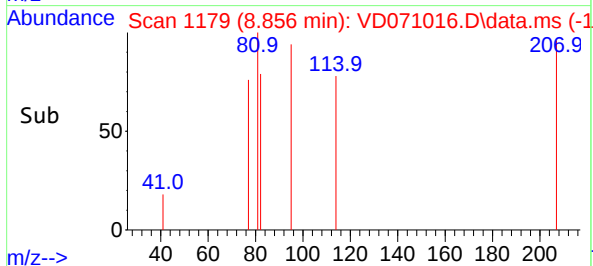
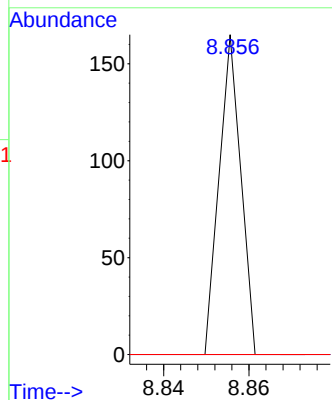


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :



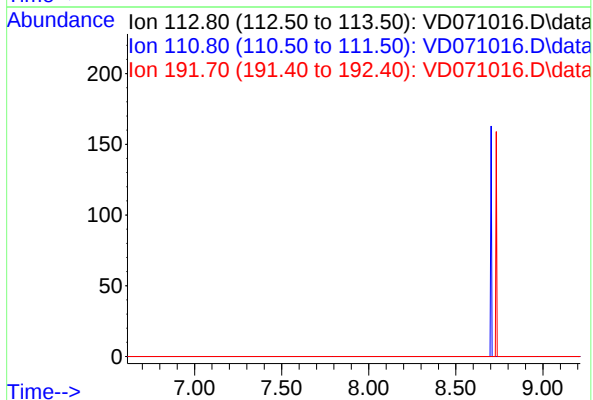
Tgt Ion:114 Resp: 58
Ion Ratio Lower Upper
114 100
63 0.0 0.0 41.8
88 0.0 0.0 32.8

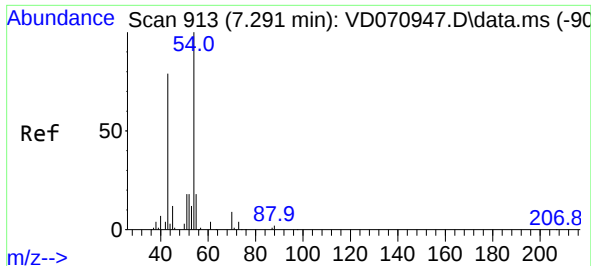


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.91 min

Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

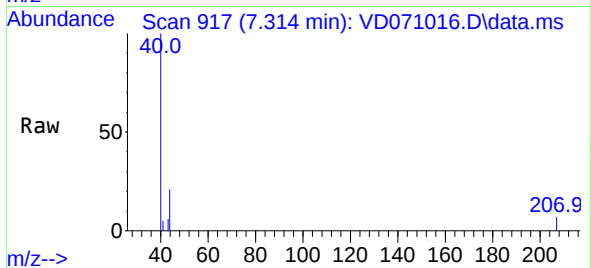
Tgt Ion: 113
Sig Exp Ratio
113 100
111 102.5
192 19.0



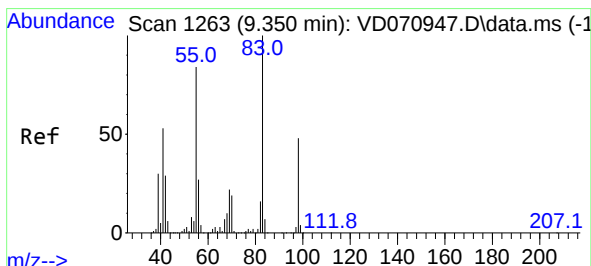
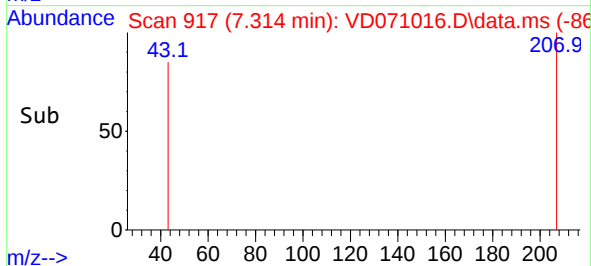
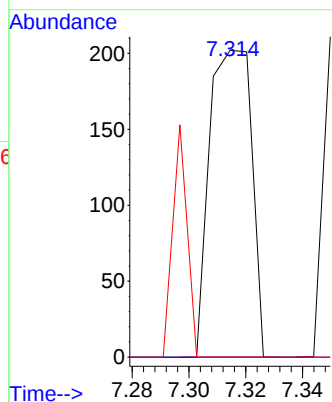


#37
Ethyl Acetate
Concen: 880.377 ug/l
RT: 7.314 min Scan# 91
Delta R.T. 0.023 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :

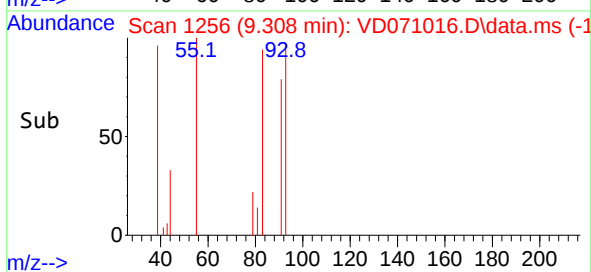
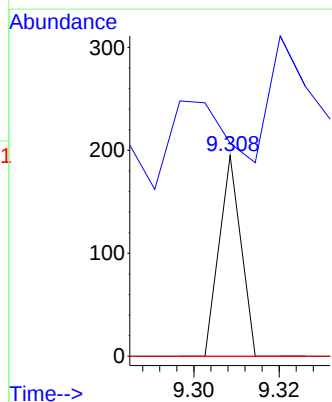
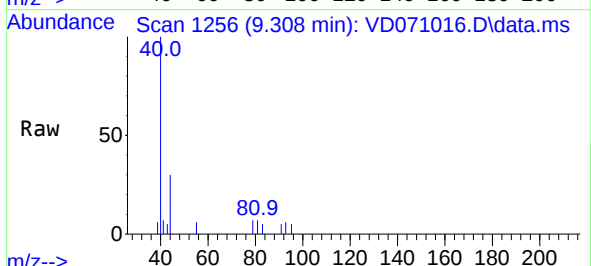


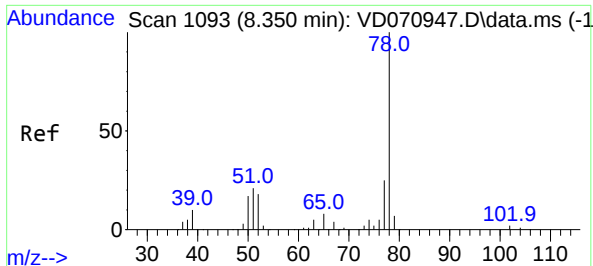
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 26.0 8.7 13.1#



#39
Methylcyclohexane
Concen: 103.168 ug/l
RT: 9.308 min Scan# 1256
Delta R.T. -0.042 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Tgt Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.8#
98 0.0 38.7 58.1#

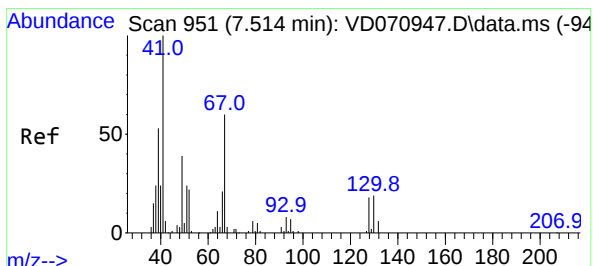
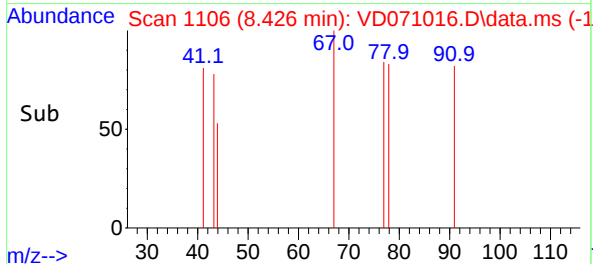
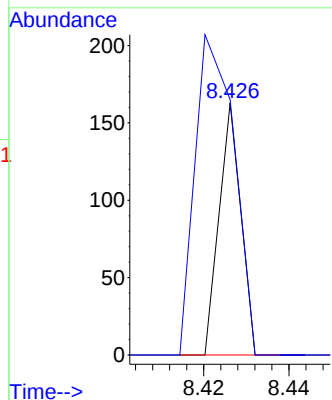
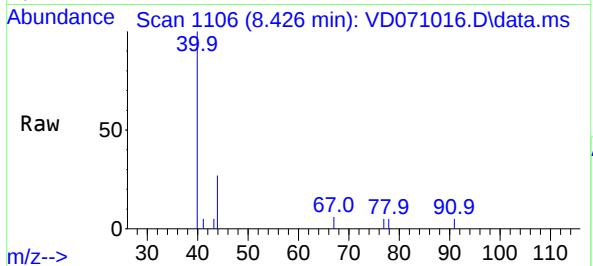




#40
Benzene
Concen: 39.770 ug/l
RT: 8.426 min Scan# 1106
Delta R.T. 0.076 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

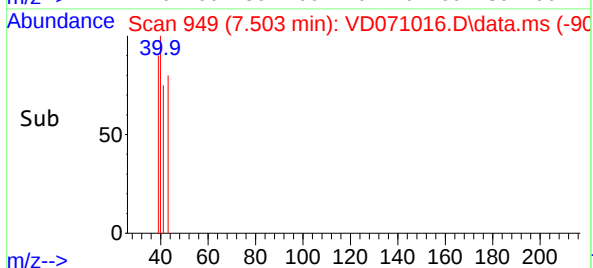
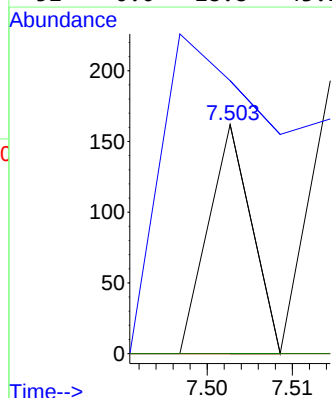
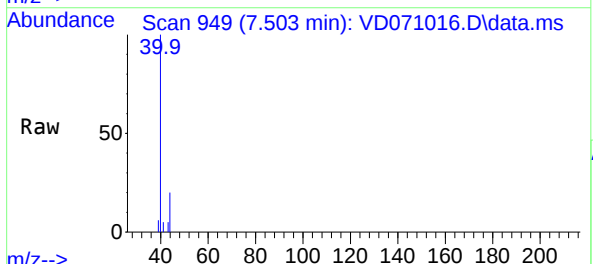
Instrument :
MSVOA_D
ClientSampleId :

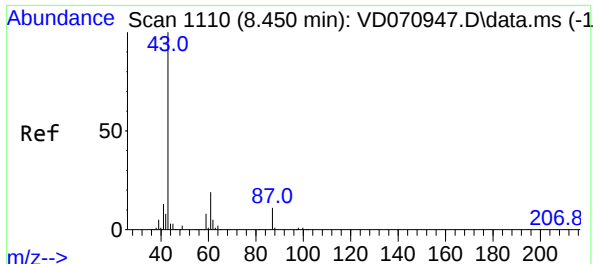
Tgt Ion: 78 Resp: 58
Ion Ratio Lower Upper
78 100
77 101.2 19.1 28.7#



#41
Methacrylonitrile
Concen: 403.984 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.011 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 457.9 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#43

Isopropyl Acetate

Concen: 121.997 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.006 min

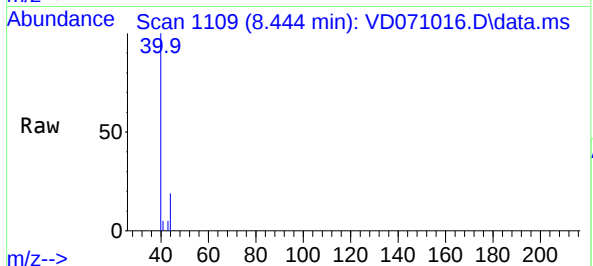
Lab File: VD071016.D

Acq: 12 Nov 2021 06:35

Instrument :

MSVOA_D

ClientSampleId :



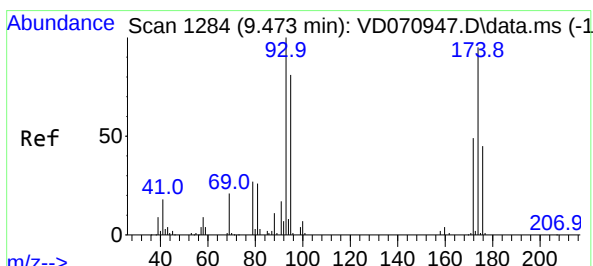
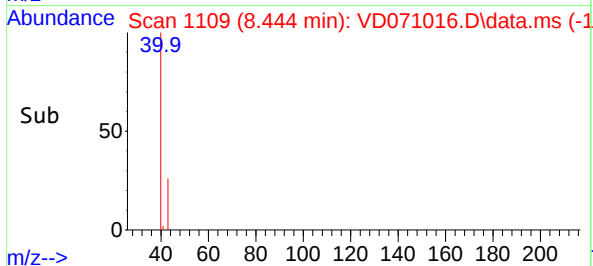
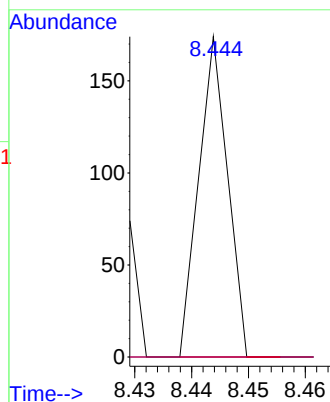
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#46

Dibromomethane

Concen: 340.916 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VD071016.D

Acq: 12 Nov 2021 06:35

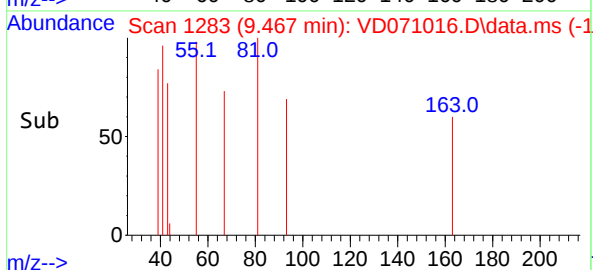
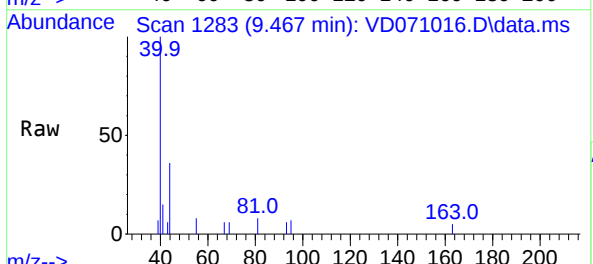
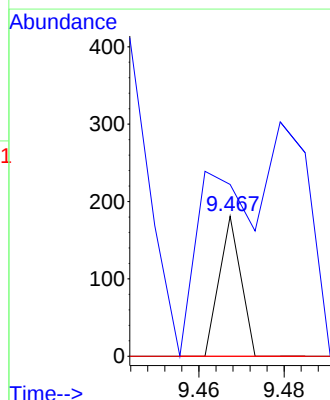
Tgt Ion: 93 Resp: 64

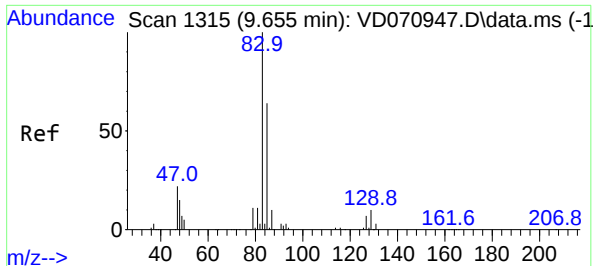
Ion Ratio Lower Upper

93 100

95 656.3 66.1 99.1#

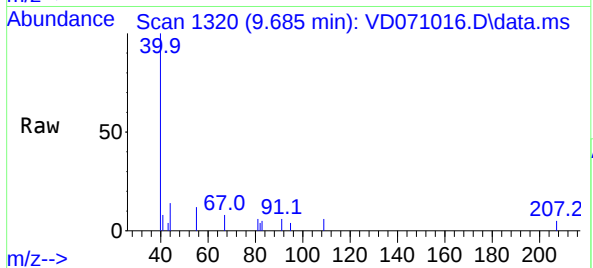
174 0.0 78.6 117.8#



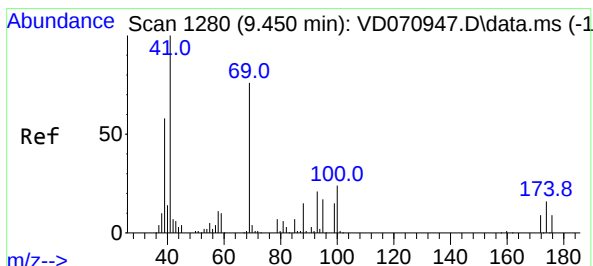
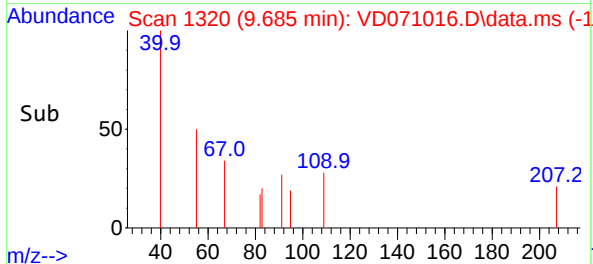
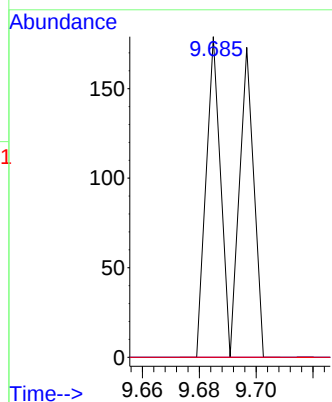


#47
Bromodichloromethane
Concen: 249.724 ug/l
RT: 9.685 min Scan# 11
Delta R.T. 0.030 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :

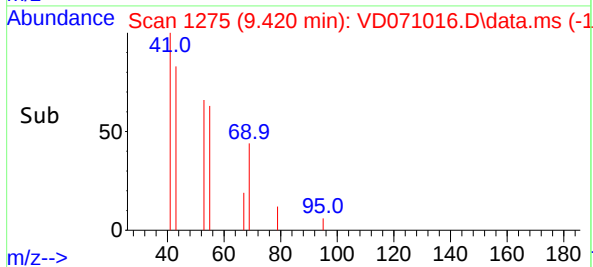
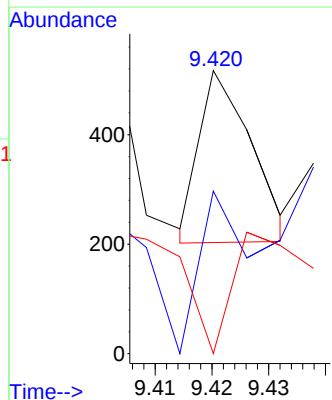
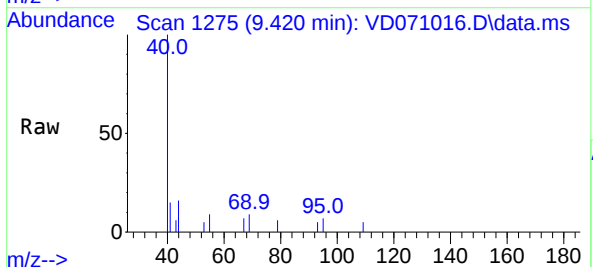


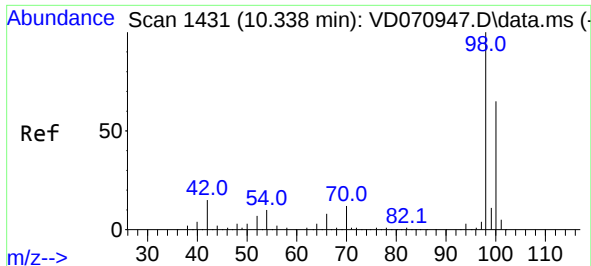
Tgt Ion: 83 Resp: 124
Ion Ratio Lower Upper
83 100
85 0.0 50.0 75.0#
127 0.0 7.3 10.9#



#48
Methyl methacrylate
Concen: 819.441 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Tgt Ion: 41 Resp: 201
Ion Ratio Lower Upper
41 100
69 207.5 69.8 104.6#
39 101.0 35.6 53.4#

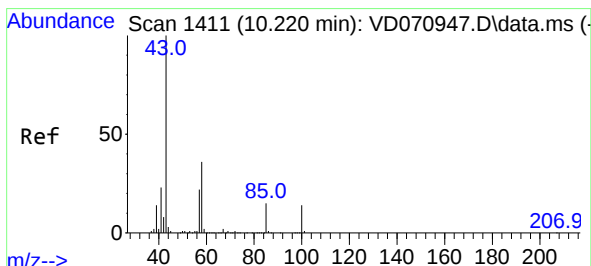
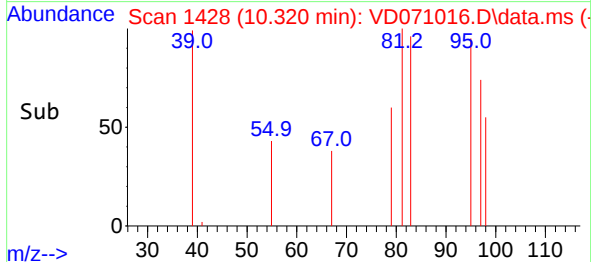
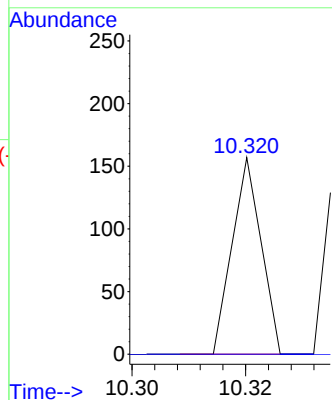
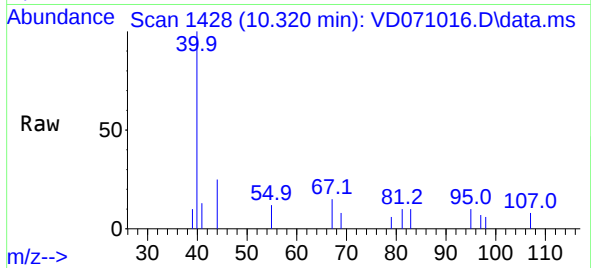




#50
Toluene-d8
Concen: 42.911 ug/l
RT: 10.320 min Scan# 1431
Delta R.T. -0.018 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

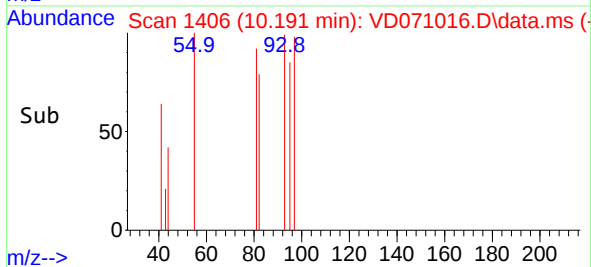
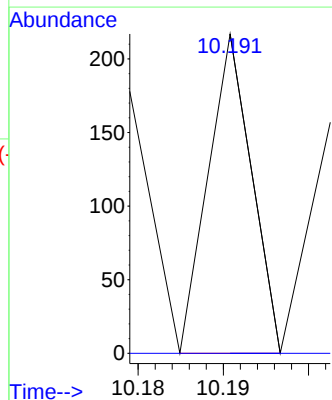
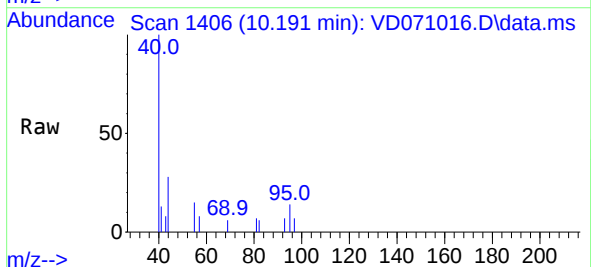
Instrument :
MSVOA_D
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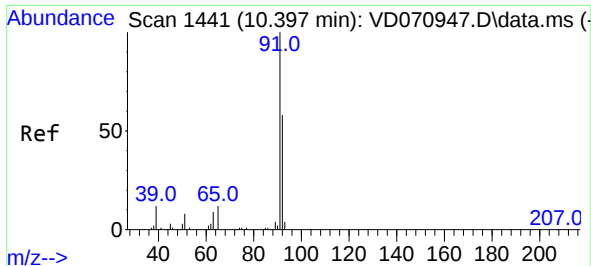
Tgt Ion: 98 Resp: 55
Ion Ratio Lower Upper
98 100
100 0.0 51.8 77.6#



#51
4-Methyl-2-Pentanone
Concen: 317.638 ug/l
RT: 10.191 min Scan# 1406
Delta R.T. -0.029 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

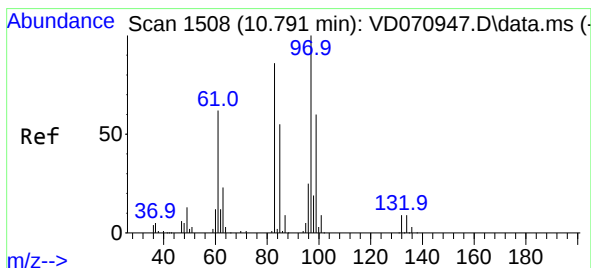
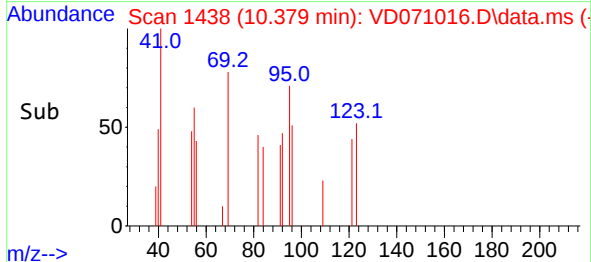
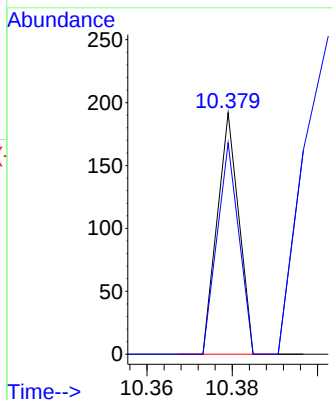
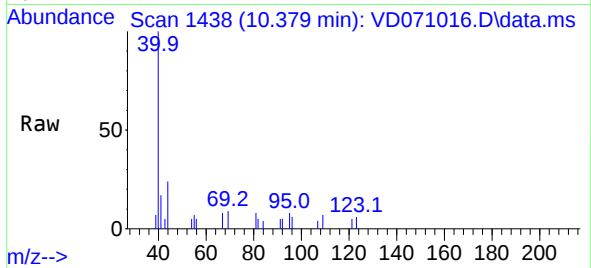




#52
Toluene
Concen: 73.969 ug/l
RT: 10.379 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

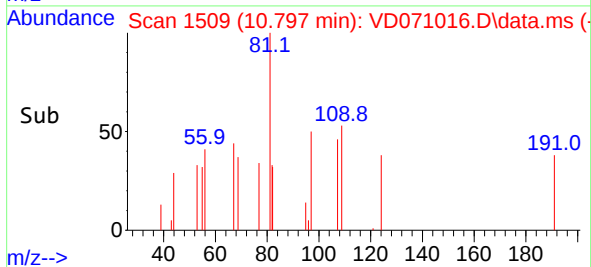
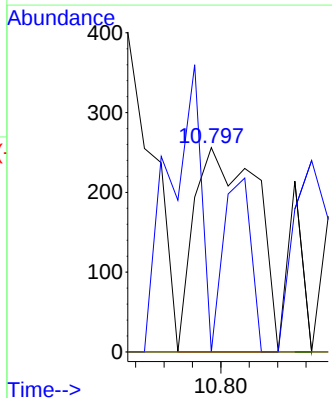
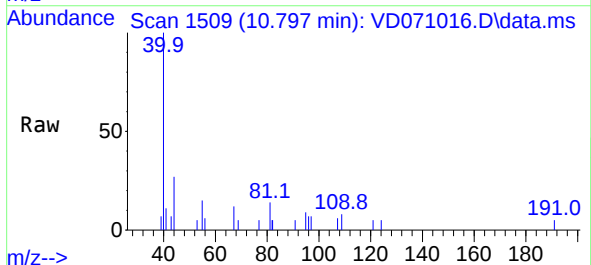
Instrument :
MSVOA_D
ClientSampleId :

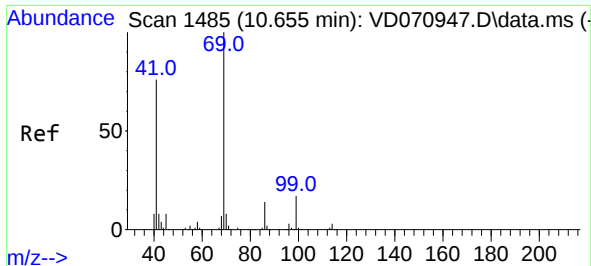
Tgt Ion: 92 Resp: 68
Ion Ratio Lower Upper
92 100
91 86.8 140.7 211.1#



#55
1,1,2-Trichloroethane
Concen: 1507.659 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

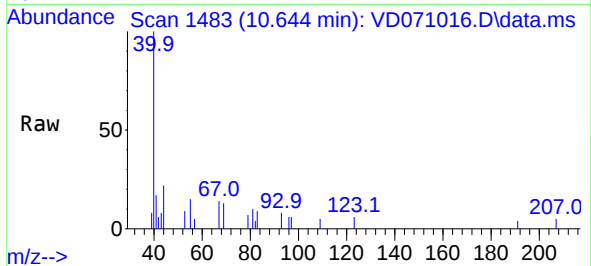
Tgt Ion: 97 Resp: 389
Ion Ratio Lower Upper
97 100
83 0.0 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#



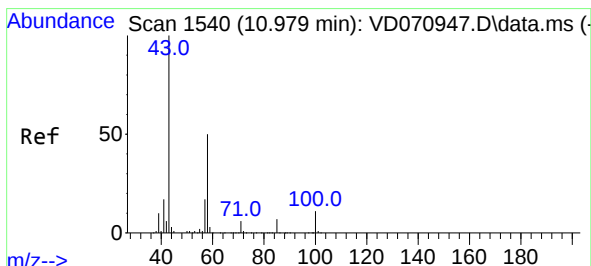
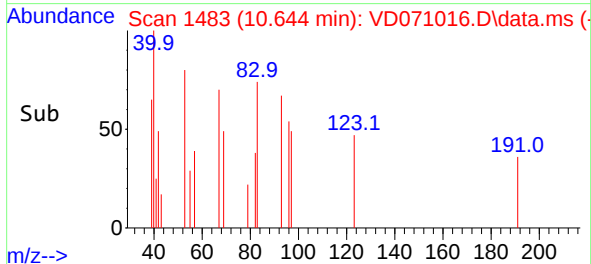
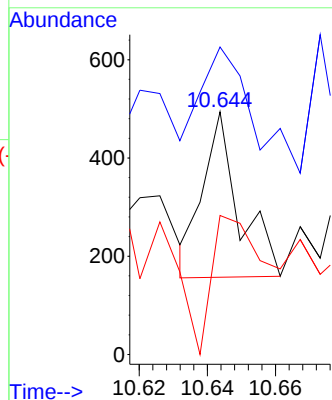


#56
Ethyl methacrylate
Concen: 676.593 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :

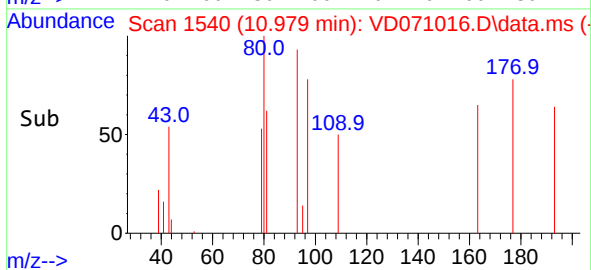
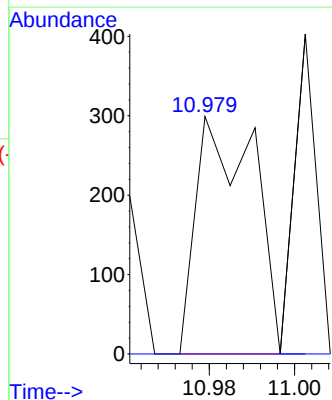
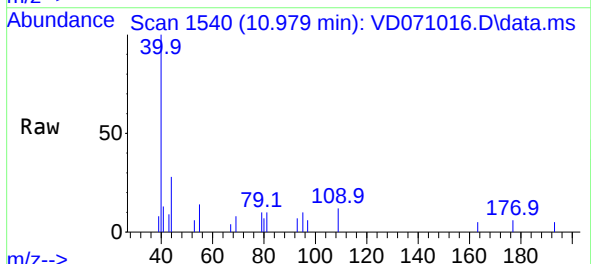


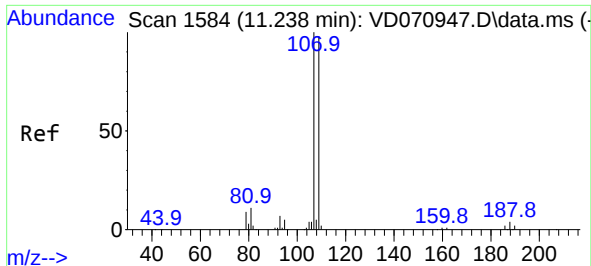
Tgt Ion: 69 Resp: 247
Ion Ratio Lower Upper
69 100
41 108.5 50.2 75.2#
39 130.8 19.8 29.8#



#59
2-Hexanone
Concen: 1403.793 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

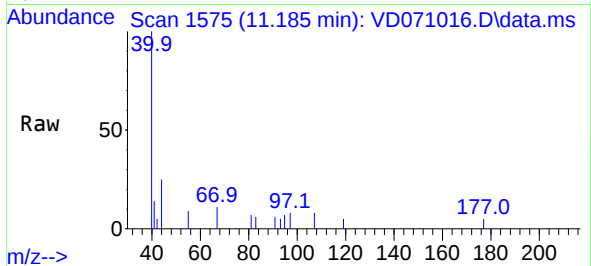
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



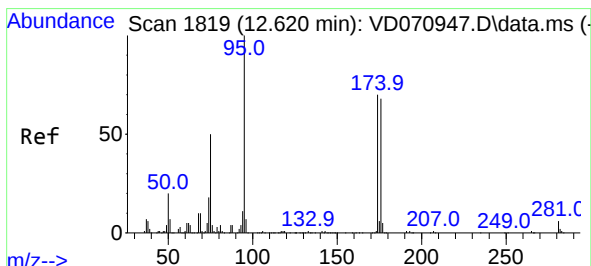
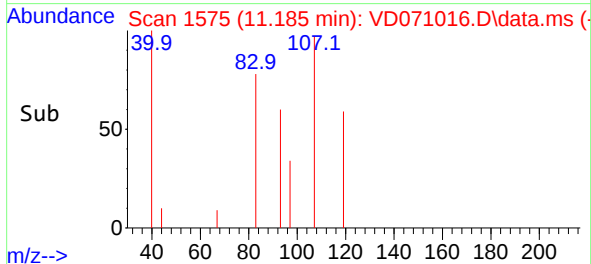
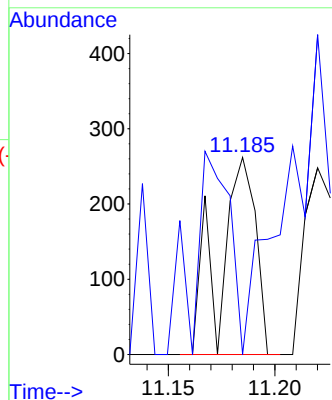


#61
1,2-Dibromoethane
Concen: 1219.220 ug/l
RT: 11.185 min Scan# 111
Delta R.T. -0.053 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Instrument :
MSVOA_D
ClientSampleId :

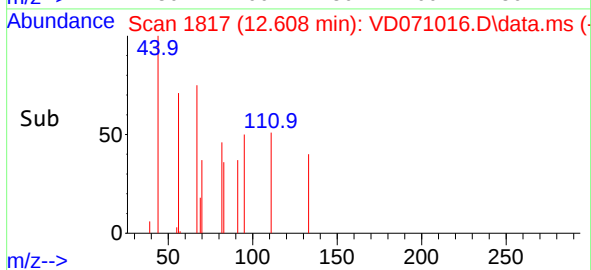
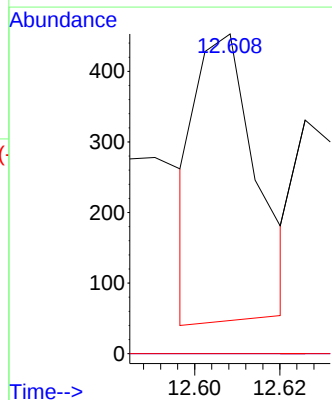
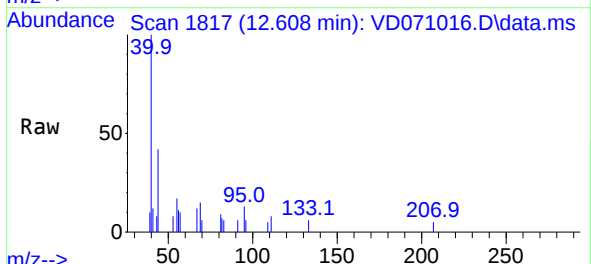


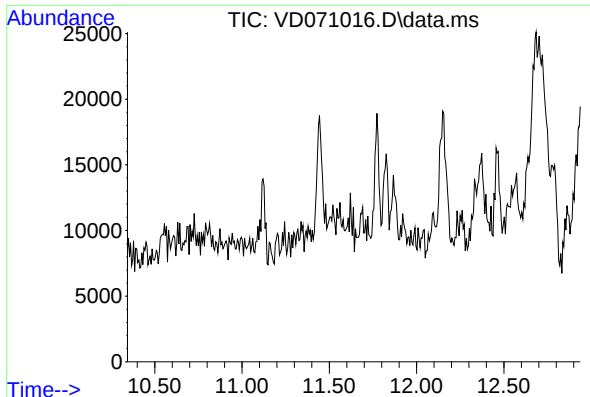
Tgt Ion:107 Resp: 306
Ion Ratio Lower Upper
107 100
109 102.9 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 855.913 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. -0.012 min
Lab File: VD071016.D
Acq: 12 Nov 2021 06:35

Tgt Ion: 95 Resp: 395
Ion Ratio Lower Upper
95 100
174 0.0 0.0 159.4
176 0.0 0.0 154.0

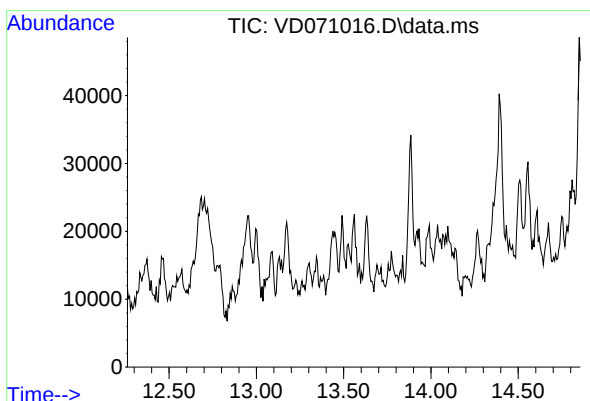
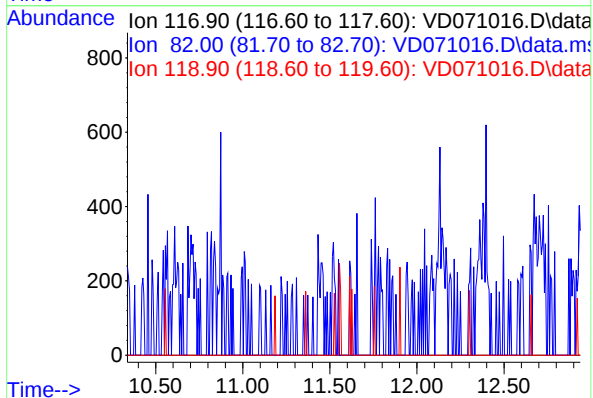




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.64 min
 Lab File: VD071016.D
 Acq: 12 Nov 2021 06:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 55.9
 119 32.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 13.56 min

Lab File: VD071016.D
 Acq: 12 Nov 2021 06:35

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 59.5
 150 174.6

